FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

WTG Sonora Gas Plant LLC

AUTHORIZING THE OPERATION OF

Sonora Gas Plant
Natural Gas Liquids

LOCATED AT

Upton County, Texas

Latitude 31° 21' 45" Longitude 101° 46' 33"

Regulated Entity Number: RN106522535

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O3620 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

B. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

D. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

6. For oil and natural gas production facilities as specified in 40 CFR Part 63, Subpart HH, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.390 incorporated by reference):

A. Title 40 CFR § 63.760(a)(1)(i) - (iii) (relating to Applicability and Designation of Affected Source)

B. Title 40 CFR § 63.775(d)(9) (relating to Reporting Requirements)

Additional Monitoring Requirements

7. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs,

and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

8. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

9. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

10. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.

    A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.

B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

11. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

12. Use of Discrete Emission Credits to comply with the applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) If applicable, offsets for Title 30 TAC Chapter 116

        (iv) Temporarily exceed state NSR permit allowables

    B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

        (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

        (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

        (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

        (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

Risk Management Plan

13. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Temporary Fuel Shortages (30 TAC § 112.15)

14. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

    A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

    B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

    C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

    D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

15. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

16. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary 11

Applicable Requirements Summary 13

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
HMO HTR	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc-1	40 CFR Part 60, Subpart Dc	No changing attributes.
GRP-REG1VENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	E-C1, E-C10, E-C11, E-C12, E-C2, E-C3, E-C4, E-C5, E-C6, E-C7, E-C8, E-C9	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-REG1VENT2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	REGEN HTR, STAB HTR	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
HMO HTR	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FLARE	FLARES	N/A	R1111-2	30 TAC Chapter 111, Visible Emissions	No changing attributes.
FUG	FUGITIVE EMISSION UNITS	N/A	60OOOO	40 CFR Part 60, Subpart OOOO	No changing attributes.
GRP-ENG1	SRIC ENGINES	E-C1, E-C2, E-C3, E-C4	60JJJJ-1	40 CFR Part 60, Subpart JJJJ	No changing attributes.
GRP-ENG1	SRIC ENGINES	E-C1, E-C2, E-C3, E-C4	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-ENG2	SRIC ENGINES	E-C10, E-C11, E-C12, E-C5, E-C6, E-C7, E-C8, E-C9	60JJJJ-2	40 CFR Part 60, Subpart JJJJ	No changing attributes.
GRP-ENG2	SRIC ENGINES	E-C10, E-C11, E-C12, E-C5, E-C6, E-C7, E-C8, E-C9	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
HMO HTR	EU	60Dc-1	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
HMO HTR	EU	60Dc-1	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
HMO HTR	EU	60Dc-1	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRP-REG1VENT	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-REG1VENT2	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
HMO HTR	EP	R1111-1	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
FLARE	EU	R1111-2	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
FUG	EU	60OOOO	VOC	40 CFR Part 60, Subpart OOOO	§ 60.5365 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 60, Subpart OOOO	The permit holder shall comply with the applicable requirements of 40 CFR Part 60, Subpart OOOO	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 60, Subpart OOOO	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 60, Subpart OOOO	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 60, Subpart OOOO

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-ENG1	EU	60JJJJ-1	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency lean burn natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 500 HP and less than 1350 HP and were manufactured on or after 07/01/2010 must comply with a CO emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
GRP-ENG1	EU	60JJJJ-1	NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency lean burn natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 500 HP and less than 1350 HP and were manufactured on or after 07/01/2010 must comply with a NOx emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-ENG1	EU	60JJJJ-1	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency lean burn natural gas and lean burn LPG engines with a maximum engine power greater than or equal to 500 HP and less than 1350 HP and were manufactured on or after 07/01/2010 must comply with a VOC emission limit of 0.7 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(f) § 60.4244(g)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
GRP-ENG1	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6600 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ
GRP-ENG2	EU	60JJJJ-2	CO	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2010 must comply with a CO emission limit of 2.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(e)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-ENG2	EU	60JJJJ-2	NO_X	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2010 must comply with a NOx emission limit of 1.0 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(d)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
GRP-ENG2	EU	60JJJJ-2	VOC	40 CFR Part 60, Subpart JJJJ	§ 60.4233(e)-Table1 § 60.4234 § 60.4243(b) § 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4243(g) § 60.4246	Owners and operators of stationary non-emergency natural gas engines with a maximum engine power greater than or equal to 500 HP and were manufactured on or after 07/01/2010 must comply with a VOC emission limit of 0.7 g/HP-hr, as listed in Table 1 to this subpart.	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4244(a) § 60.4244(b) § 60.4244(c) § 60.4244(f) § 60.4244(g)	§ 60.4243(b)(2) § 60.4243(b)(2)(ii) § 60.4243(e) § 60.4245(a)(1) § 60.4245(a)(2) § 60.4245(a)(4)	[G]§ 60.4245(c) § 60.4245(d)
GRP-ENG2	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6600 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart ZZZZ	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart ZZZZ

Additional Monitoring Requirements

Periodic Monitoring Summary..... 19

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-REG1VENT	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP-REG1VENT2	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: HMO HTR	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(B)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually or at any time an alternate fuel is used	
Averaging Period: n/a	
Deviation Limit: If alternative fuel is fired for > 24 consecutive hours, report as a deviation, or conduct observation using Test Method 22. Report as a deviation if visible emissions are observed using Test Method 22 and opacity > 20% using Test Method 9.	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, for a period greater than or equal to 24 consecutive hours it shall be considered and reported as a deviation or the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are observed. Any time an alternate fuel is fired for a period of greater than 7 consecutive days then visible emissions observations will be conducted no less than once per week. Documentation of all observations shall be maintained. If visible emissions are present during the firing of an alternate fuel, the permit holder shall either list this occurrence as a deviation or the permit holder may determine the opacity consistent with Test Method 9. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.	

Permit Shield

Permit Shield 23

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-REG1VENT2	REGEN HTR, STAB HTR	40 CFR Part 60, Subpart Dc	Not a steam generating unit.
FUG	N/A	40 CFR Part 60, Subpart KKK	Constructed after August 23, 2011.
FUG	N/A	40 CFR Part 63, Subpart HH	Ancillary equipment does not operate in volatile hazardous air pollutant service.
LOAD	N/A	40 CFR Part 60, Subpart KKK	Truck loading constructed after August 23, 2011
LOAD	N/A	40 CFR Part 63, Subpart HH	Does not operate in volatile hazardous air pollutant service.
GRP-ENG1	E-C1, E-C2, E-C3, E-C4	40 CFR Part 63, Subpart HH	Compressor does not operate in volatile hazardous air pollutant service.
GRP-ENG2	E-C10, E-C11, E-C12, E-C5, E-C6, E-C7, E-C8, E-C9	40 CFR Part 63, Subpart HH	Compressor does not operate in volatile hazardous air pollutant service.
GRP-TK1	TK-1, TK-2, TK-3, TK-4	40 CFR Part 60, Subpart Kb	Design capacity is less than 75 cubic meters.
GRP-TK1	TK-1, TK-2, TK-3, TK-4	40 CFR Part 60, Subpart OOOO	VOC emissions less than 6 tpy.
GRP-TK1	TK-1, TK-2, TK-3, TK-4	40 CFR Part 63, Subpart HH	Does not meet the definition of storage vessel with the potential for flash emissions.
GRP-TK2	TK-10, TK-5, TK-6, TK-7, TK-8, TK-9	40 CFR Part 60, Subpart Kb	Design capacity is less than 75 cubic meters.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-TK2	TK-10, TK-5, TK-6, TK-7, TK-8, TK-9	40 CFR Part 60, Subpart OOOO	VOC emissions less than 6 tpy.
GRP-TK2	TK-10, TK-5, TK-6, TK-7, TK-8, TK-9	40 CFR Part 63, Subpart HH	Does not meet the definition of storage vessel with the potential for flash emissions.

New Source Review Authorization References

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New Source Review Authorization References by Emission Unit..... 27

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX1316	Issuance Date: 06/14/2013
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 106139	Issuance Date: 06/14/2013

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
E-C10	COMPRESSOR ENGINE	106139, PSDTX1316
E-C11	COMPRESSOR ENGINE	106139, PSDTX1316
E-C12	COMPRESSOR ENGINE	106139, PSDTX1316
E-C1	REFRIGERATION ENGINE	106139, PSDTX1316
E-C2	REFRIGERATION ENGINE	106139, PSDTX1316
E-C3	REFRIGERATION ENGINE	106139, PSDTX1316
E-C4	REFRIGERATION ENGINE	106139, PSDTX1316
E-C5	COMPRESSOR ENGINE	106139, PSDTX1316
E-C6	COMPRESSOR ENGINE	106139, PSDTX1316
E-C7	COMPRESSOR ENGINE	106139, PSDTX1316
E-C8	COMPRESSOR ENGINE	106139, PSDTX1316
E-C9	COMPRESSOR ENGINE	106139, PSDTX1316
FLARE	FLARE	106139, PSDTX1316
FUG	ANCILLARY EQUIPMENT COMPONENTS	106139, PSDTX1316
HMO HTR	OIL HEATER	106139, PSDTX1316
LOAD	TRUCK LOADING	106139, PSDTX1316
REGEN HTR	REGEN HEATER	106139, PSDTX1316
STAB HTR	STABILIZER HEATER	106139, PSDTX1316

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
TK-10	ANTIFREEZE TANK	106139, PSDTX1316
TK-1	HEATING MEDIUM OIL TANK	106139, PSDTX1316
TK-2	LUBE OIL TANK	106139, PSDTX1316
TK-3	LUBE OIL TANK	106139, PSDTX1316
TK-4	LUBE OIL TANK	106139, PSDTX1316
TK-5	PRODUCED WATER TANK	106139, PSDTX1316
TK-6	PRODUCED WATER TANK	106139, PSDTX1316
TK-7	PRODUCED WATER TANK	106139, PSDTX1316
TK-8	ANTIFREEZE TANK	106139, PSDTX1316
TK-9	ANTIFREEZE TANK	106139, PSDTX1316

Appendix A

Acronym List 30

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table..... 32

Major NSR Summary Table

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
E-C1	Refrigeration Caterpillar G3516B	VOC	0.86	3.78	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.30	5.71	8, 9	8, 9, 11, 14, 15	8
		CO	0.66	2.88	8, 9	8, 9, 11, 14, 15	8
		SO2	<0.01	0.02		11	
		PM/PM10/PM2.5	0.09	0.38	5	5, 11, 15	
E-C2	Refrigeration Caterpillar G3516B	VOC	0.86	3.78	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.30	5.71	8, 9	8, 9, 11, 14, 15	8
		CO	0.66	2.88	8, 9	8, 9, 11, 14, 15	8
		SO2	<0.01	0.02		11	
		PM/PM10/PM2.5	0.09	0.38	5	5, 11, 15	
E-C3	Refrigeration Caterpillar G3516B	VOC	0.86	3.78	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.30	5.71	8, 9	8, 9, 11, 14, 15	8
		CO	0.66	2.88	8, 9	8, 9, 11, 14, 15	8
		SO2	<0.01	0.02		11	
		PM/PM10/PM2.5	0.09	0.38	5	5, 11, 15	

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
E-C4	Refrigeration Caterpillar G3516B	VOC	0.86	3.78	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.30	5.71	8, 9	8, 9, 11, 14, 15	8
		CO	0.66	2.88	8, 9	8, 9, 11, 14, 15	8
		SO2	<0.01	0.02		11	
		PM/PM10/PM2.5	0.09	0.38	5	5, 11, 15	
E-C5	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9,11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	
E-C6	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
E-C7	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	
E-C8	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	
E-C9	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
E-C10	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	
E-C11	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	
E-C12	Recompression Caterpillar G3516B	VOC	1.01	4.41	2, 3 8, 9	2, 3, 8, 9, 11, 14, 15	2, 3, 8
		NOX	1.52	6.66	8, 9	8, 9, 11, 14, 15	8
		CO	0.77	3.36	8, 9	8, 9, 11, 14, 15	8
		SO2	0.01	0.02		11	
		PM/PM10/PM2.5	0.10	0.45	5	5, 11, 15	

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
REGEN HTR	Regen Gas Heater	VOC	0.03	0.14		11, 13, 15	
		NOX	0.10	0.42		11, 15	
		CO	0.49	2.15		11, 15	
		SO2	<0.01	0.01		11, 15	
		PM/PM10/PM2.5	0.04	0.19	5	5, 11,15	
STAB HTR	Stabilizer Heater	VOC	0.03	0.06		11, 13, 15	
		NOX	0.52	1.14		11, 15	
		CO	0.44	0.96		11, 15	
		SO2	<0.01	0.01		11, 15	
		PM/PM10/PM2.5	0.04	0.09	5	5, 11,15	
TK-1	Heating Medium Oil	VOC	0.06	<0.01		11	
TK-2	Lube Oil	VOC	0.06	<0.01		11	
TK-3	Lube Oil	VOC	0.06	<0.01		11	
TK-4	Lube Oil	VOC	0.06	<0.01		11	
TK-5	Produced Water	VOC	0.57	0.01		11, 13	
TK-6	Produced Water	VOC	0.57	0.01		11, 13	

Permit Number: 106139 and PSDTX1316 Issuance Date: 06/14/2013							
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (4)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY(5)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
TK-7	Produced Water	VOC	0.57	0.01		11, 13	
TK-8	Antifreeze	VOC	0.01	<0.01		11	
TK-9	Antifreeze	VOC	0.01	<0.01		11	
TK-10	Antifreeze	VOC	0.01	<0.01		11	
LOAD	Truck Loading	VOC	0.01	0.10		11, 13	
FLARE	Process Flare	VOC	0.05	0.24	6	6, 11	6
		NOX	0.03	0.11	6	6, 11	6
		CO	0.13	0.57	6	6, 11	6
		SO2	<0.01	<0.01	6	6, 11	6
FLARE-MSS	Process Flare	VOC	360.25	0.18	6	6, 11, 15	6
		NOX	176.39	0.23	6	6, 11, 15	6
		CO	908.65	1.19	6	6, 11, 15	6
		SO2	0.04	<0.01	6	6, 11, 15	6
FUG	Plant Fugitives	VOC	2.57	11.24	2, 7	2, 7	2

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
(4) These emission rates include maintenance, startup, and shutdown.
(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
AIR QUALITY PERMIT

A Permit Is Hereby Issued To
WTG Sonora Gas Plant, LLC
Authorizing the Construction and Operation of
Sonora Gas Plant
Located at **Rankin, Upton County, Texas**
Latitude 31° 21′ 45″ Longitude 101° 46′ 33″

Permit: 106139 and PSDTX1316

Issuance Date : June 14, 2013

Renewal Date: June 14, 2023

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code 116.116 (30 TAC 116.116)]
2. **Voiding of Permit**. A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1)the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of $5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC 116.120(a), (b) and (c)]
3. **Construction Progress**. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC 116.115(b)(2)(A)]
4. **Start-up Notification**. The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC 116.115(b)(2)(B)(iii)]
5. **Sampling Requirements**. If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates**. The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC 116.115(b)(2)(F)]
9. **Maintenance of Emission Control**. The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with 30 TAC 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC 116.115(b)(2)(G)]
10. **Compliance with Rules**. Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to a condition of "air pollution" as defined in Texas Health and Safety Code (THSC) 382.003(3) or violate THSC 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit.

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 106139 and PSDTX1316

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
E-C1	Refrigeration-Caterpillar G3516B	NO_x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
		SO_2	<0.01	0.02
E-C2	Refrigeration-Caterpillar G3516B	NO_x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
		SO_2	<0.01	0.02
E-C3	Refrigeration-Caterpillar G3516B	NO_x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
		SO_2	<0.01	0.02
E-C4	Refrigeration-Caterpillar G3516B	NO_x	1.30	5.71
		CO	0.66	2.88
		VOC	0.86	3.78
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
		SO_2	<0.01	0.02
E-C5	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02
E-C6	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
E-C7	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02
E-C8	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02
E-C9	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
E-C10	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02
E-C11	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02
E-C12	Recompression-Caterpillar G3516B	NO_x	1.52	6.66
		CO	0.77	3.36
		VOC	1.01	4.41
		PM	0.10	0.45
		PM_{10}	0.10	0.45
		$PM_{2.5}$	0.10	0.45
		SO_2	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
REGEN HTR	Regen Gas Heater	NO_x	0.10	0.42
		CO	0.49	2.15
		VOC	0.03	0.14
		PM	0.04	0.19
		PM_{10}	0.04	0.19
		$PM_{2.5}$	0.04	0.19
		SO_2	<0.01	0.01
HMO HTR	Heating Medium Oil Heater	NO_x	0.32	1.40
		CO	1.53	6.68
		VOC	0.10	0.44
		PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.14	0.60
		SO_2	0.01	0.04
STAB HTR	Stabilizer Heater	NO_x	0.52	1.14
		CO	0.44	0.96
		VOC	0.03	0.06
		PM	0.04	0.09
		PM_{10}	0.04	0.09
		$PM_{2.5}$	0.04	0.09
		SO_2	<0.01	0.01
TK-1	Heating Medium Oil	VOC	0.06	<0.01
TK-2	Lube Oil	VOC	0.06	<0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
TK-3	Lube Oil	VOC	0.06	<0.01
TK-4	Lube Oil	VOC	0.06	<0.01
TK-5	Produced Water	VOC	0.57	0.01
TK-6	Produced Water	VOC	0.57	0.01
TK-7	Produced Water	VOC	0.57	0.01
TK-8	Antifreeze	VOC	0.01	<0.01
TK-9	Antifreeze	VOC	0.01	<0.01
TK-10	Antifreeze	VOC	0.01	<0.01
LOAD	Truck Loading	VOC	0.01	0.10
FLARE	Process Flare	NO_x	0.03	0.11
		CO	0.13	0.57
		VOC	0.05	0.24
		SO_2	<0.01	<0.01
FLARE-MSS	Process Flare	NO_x	176.39	0.23
		CO	908.65	1.19
		VOC	360.25	0.18
		SO_2	0.04	<0.01
FUG	Plant Fugitives (6)	VOC	2.57	11.24

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented

Emission Sources - Maximum Allowable Emission Rates

$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide

(4) These emission rates include maintenance, startup, and shutdown.
(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: June 14, 2013

Special Conditions

Permit Numbers 106139 and PSDTX1316

Emission Standards

1. This permit authorizes emissions only from those points listed in the attached table, entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT), and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating conditions specified in this permit.
2. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources in Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60):
   A. Subpart A: General Provisions.
   B. Subpart JJJJ: Standards of Performance for Stationary Spark Ignited Internal Combustion Engines.
   C. Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution.
3. These facilities shall comply with all applicable requirements of the EPA regulations on National Emission Standards for Hazardous Air Pollutants for Source Categories in 40 CFR Part 63:
   A. Subpart A: General Provisions.
   B. Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).

      If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.
4. Each engine [Emission Point Numbers (EPNs): E-C1 to E-C12] is subject to the following:
   A. Emissions shall not exceed:
      i. 0.50 grams per horsepower-hour (g/hp-hr) of nitrogen oxides (NO_x); and
      ii. 0.25 g/hp-hr of carbon monoxide (CO).
   B. Fuel is limited to pipeline quality natural gas.
5. Opacity of emissions from any one stack, other than the flare, authorized by this permit shall not exceed five percent averaged over a six-minute period from each stack. This determination shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no

more than 0.25 miles from the emission point(s). Up to three emissions points may be read concurrently, provided that all three emissions points are within a 70 degree viewing sector or angle in front of the observer such that the proper sun position (at the observer's back) can be maintained for all three emission points.

If visible emissions are observed from an emission point, then the opacity shall be determined and documented within 24 hours for that emission point using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Instead of determining opacity as described above, the permit holder may choose to consider any observed visible emissions a violation of the opacity limit and record it as such. Observations shall be performed and recorded quarterly. If the opacity exceeds five percent, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation.

6. The EPN FLARE shall be designed and operated in accordance with the following requirements:

   A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal and maintenance flow conditions. The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

   B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with the manufacturer's specifications.

   C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.

      The requirements of Special Condition No. 6 are not applicable during emission events. Emission events are not authorized by this permit.

Process Fugitive Monitoring

7. **Piping, Valves, Connectors, Pumps and Compressors in VOC Service - 28M**

   A. These conditions shall not apply (1) where the VOC has an aggregate partial pressure or vapor pressure of less than 0.5 pounds per square inch, absolute (psia) at 100 degrees Fahrenheit or at maximum process operating temperature if less than 100 degrees Fahrenheit or (2) where the operating pressure is at least 5 kilopascals (0.725 psi) below ambient pressure. Equipment excluded from this

condition shall be identified in a list or by one of the methods described below to be made available upon request.

The exempted components may be identified by one or more of the following methods:

i. piping and instrumentation diagram (PID); or

ii. a written or electronic database.

B. Construction of new and reworked piping, valves, pump systems, and compressor systems shall conform to applicable American National Standards Institute (ANSI), American Petroleum Institute (API), American Society of Mechanical Engineers (ASME), or equivalent codes.

C. New and reworked underground process pipelines shall contain no buried valves such that fugitive emission monitoring is rendered impractical.

D. To the extent that good engineering practice will permit, new and reworked valves and piping connections shall be so located to be reasonably accessible for leak-checking during plant operation. Non-accessible valves, as defined in Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115), shall be identified in a list to be made available upon request. The non-accessible valves may be identified by one or more of the methods described in subparagraph A above.

E. New and reworked piping connections shall be welded or flanged. Screwed connections are permissible only on piping smaller than two-inch diameter. Gas or hydraulic testing of the new and reworked piping connections at no less than operating pressure shall be performed prior to returning the components to service or they shall be monitored for leaks using an approved gas analyzer within 8 hours of the components being returned to service. Adjustments shall be made as necessary to obtain leak-free performance. Connectors shall be inspected by visual, audible, and/or olfactory means at least weekly by operating personnel walk-through.

Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. Except during sampling, the second valve shall be closed. If the removal of a component for repair or replacement results in an open-ended line or valve, it is exempt from the requirement to install a cap, blind flange, plug, or second valve for 24 hours. If the repair or replacement is not completed within 24 hours, the line or valve must have a cap, blind flange, plug, or second valve installed.

F. Accessible valves shall be monitored by leak-checking for fugitive emissions at least quarterly using an approved gas analyzer. Sealless/leakless valves (including, but not limited to, welded bonnet bellows and diaphragm valves) and relief valves equipped with a rupture disc upstream or venting to a control device are not required to be monitored. For valves equipped with rupture discs, a pressure-sensing device shall be installed between the relief valve and rupture

disc to monitor disc integrity. All leaking discs shall be replaced at the earliest opportunity but no later than the next process shutdown.

An approved gas analyzer shall conform to requirements listed in Method 21 of 40 CFR Part 60, Appendix A. The gas analyzer shall be calibrated with methane. In addition, the response factor of the instrument for a specific VOC of interest shall be determined and meet the requirements of Section 8 of Method 21. If a mixture of VOCs is being monitored, the response factor shall be calculated for the average composition of the process fluid. If a response factor less than 10 cannot be achieved using methane, then the instrument may be calibrated with one of the VOCs to be measured or any other VOC so long as the instrument has a response factor of less than 10 for each of the VOC to be measured.

G. Except as may be provided for in the special conditions of this permit, all pump, compressor and agitator seals shall be monitored with an approved gas analyzer at least quarterly or be equipped with a shaft sealing system that prevents or detects emissions of VOC from the seal. Seal systems designed and operated to prevent emissions or seals equipped with an automatic seal failure detection and alarm system need not be monitored. Seal systems that prevent emissions may include (but are not limited to) dual pump seals with barrier fluid at higher pressure than process pressure or seals degassing to vent control systems kept in good working order.

   Submerged pumps or sealless pumps (including, but not limited to, diaphragm, canned, or magnetic-driven pumps) may be used to satisfy the requirements of this condition and need not be monitored.

H. Damaged or leaking valves, connectors, compressor seals, agitator seals, and pump seals found to be emitting VOC in excess of 10,000 parts per million by volume (ppmv) or found by visual inspection to be leaking (e.g., dripping process fluids) shall be tagged and replaced or repaired. Every reasonable effort shall be made to repair a leaking component as specified in this paragraph within 15 days after the leak is found. If the repair of a component would require a unit shutdown, the repair may be delayed until the next scheduled shutdown. All leaking components which cannot be repaired until a scheduled shutdown shall be identified for such repair by tagging. At the discretion of the Texas Commission on Environmental Quality (TCEQ) Executive Director or designated representative, early unit shutdown or other appropriate action may be required based on the number and severity of tagged leaks awaiting shutdown.

I. The results of the required fugitive instrument monitoring and maintenance program shall be made available to the TCEQ Executive Director or designated representative upon request. Records shall indicate appropriate dates, test methods, instrument readings, repair results, justification for delay of repairs, and corrective actions taken for all components. Records of physical inspections shall be noted in the operator's log or equivalent.

J. Fugitive emission monitoring required by an applicable New Source Performance Standard (NSPS), 40 CFR Part 60, or an applicable National Emission Standard

for Hazardous Air Pollutants (NESHAPS), 40 CFR Part 61, may be used in lieu of Items F through I of this condition.

K. Compliance with the requirements of this condition does not assure compliance with requirements of NSPS or NESHAPS and does not constitute approval of alternate standards for these regulations.

Initial Determination of Compliance

8. The permit holder shall perform stack sampling and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from two of the Compressor Engines from the group EPNs E-C1 to E-C4 and four of the Compressor Engines from the group EPNs E-C5 to E-C12 to demonstrate compliance with Special Condition No. 4 and the MAERT. The permit holder is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and the EPA Reference Methods.

   Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ, Office of Air, Air Permits Division. Test waivers and alternate/equivalent procedure proposals for 40 CFR Part 60 testing which must have the EPA approval shall be submitted to the TCEQ Regional Director.

   A. The appropriate TCEQ Regional Office shall be notified not less than 30 days prior to sampling. The notice shall include:

      i. Proposed date for pretest meeting.

      ii. Date sampling will occur.

      iii. Name of firm conducting sampling.

      iv. Type of sampling equipment to be used.

      v. Method or procedure to be used in sampling.

      vi. Description of any proposed deviation from the sampling procedures specified in this permit or TCEQ/EPA sampling procedures.

      The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for the test reports. The TCEQ Regional Director must approve any deviation from specified sampling procedures.

      The methods and procedures of 40 CFR Part 60 Subpart JJJJ are acceptable for this initial determination of compliance.

   B. Air contaminants emitted from the engine to be tested for include (but are not limited to) NO_x, CO and VOC.

   C. Sampling shall occur within 60 days after achieving the maximum operating rate, but no later than 180 days after initial start-up of the facilities and at such other

times as may be required by the TCEQ Executive Director. Requests for additional time to perform sampling shall be submitted to the appropriate regional office.

D. Copies of the final sampling report shall be forwarded to the appropriate TCEQ Regional Office within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions entitled "Chapter 14, Contents of Sampling Reports" of the TCEQ Sampling Procedures Manual.

E. Sampling port(s) and platform(s) shall be incorporated into the design of each engine stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities of the TCEQ Sampling Procedures Manual." Alternate sampling facility designs must be submitted for approval to the TCEQ Regional Manager.

Continuous Demonstration of Compliance

9. In order to demonstrate that the emission limits identified on the MAERT and Special Condition No. 4 are continuously met, the holder of this permit shall perform the following:

   A. Within six months after completion of initial stack testing, begin conducting evaluations of engine performance quarterly, based on the calendar year with at least one month between tests, by measuring the NOx, CO, and O2 content of the exhaust. After four consecutive acceptable quarterly tests, the engine testing schedule may be changed to semiannual, with at least four months between tests, on approval of the TCEQ Regional Director. If an engine fails a semiannual performance test, the permit holder must resume testing the engine quarterly until the TCEQ Regional Office allows semiannual testing to resume.

   B. An engine shall be subject to the testing schedule in paragraph A if it was in operation for 1,000 hours or more during the calendar quarter. The permit holder must test at least 50% of the engines subject to testing. However, all engines must be tested at least once per year regardless of the hours of operation unless the engine was not operated other than for maintenance and readiness checks.

   C. If an engine is out of operation for more than four consecutive quarters, other than for maintenance and readiness checks, the performance of the engine shall be evaluated within the first 200 operating hours after returning to service.

   D. The use of portable analyzers specifically designed for measuring the concentration of each contaminant in parts per million by volume is acceptable for these evaluations. A hot air probe or equivalent shall be used with portable analyzers to prevent error in results due to high exhaust gas temperatures. Three sets of measurements shall be averaged to determine the concentrations. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in 40 CFR Part 60, Appendix F, § 5.1.2(3). The test methods in 40 CFR Part 60 Subpart JJJJ are

acceptable methods. Any other method must be approved by the TCEQ Regional Director.

If the portable analyzer is capable of measuring nitric oxide and nitrogen dioxide, then these measurements shall be summed to determine the NOx emission rate.

E. Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during startup, shutdown, or under breakdown conditions.

F. Within fourteen days after each occurrence of engine maintenance which is reasonably expected to affect emissions, such as oxygen sensor replacement, air fuel ratio controller replacement, catalyst cleaning, or catalyst replacement, the engine shall be tested for NOx and CO in the manner described in this Special Condition.

G. Emissions calculations based on measured concentrations and exhaust flow rate shall be used to convert the portable analyzer data to g/hp-hr and lb/hr to demonstrate compliance with the NOx and CO emission limits in Special Condition No. 4 and the MAERT. Exhaust flow rate may be monitored directly or calculated by monitoring fuel flow during testing and using EPA Test Method 19.

Maintenance, Startup, and Shutdown (MSS)

10. Startup and shutdown of the engines are authorized and the emission rates are included in the MAERT. The following MSS is authorized for the other facilities at the site:

    A. Planned site shutdown;

    B. Compressor blowdowns; and

    C. Mole sieve replacements and purges.

    All non-engine MSS involving venting of VOCs shall be routed to the flare.

11. The permit holder shall establish, implement, and update, as appropriate, a program to maintain and repair facilities. The minimum requirements of this program must include:

    A. A maintenance program developed by the permit holder for all equipment that is consistent with good air pollution control practices, or alternatively, manufacturer's specifications and recommended programs applicable to equipment performance and the effect on emissions;

    B. Cleaning and routine inspection of all equipment;

    C. Repair of equipment on timeframes that minimize equipment failures and maintain performance;

    D. Training of personnel who implement the maintenance program; and

    E. Records of conducted planned MSS activities.

12. Sections of the plant in natural gas service undergoing shutdown or maintenance that requires breaking a line or opening a vessel shall be purged to the flare and not vented to atmosphere directly until the lines are depressurized.

13. Sections of the plant handling natural gas liquids undergoing shutdown or maintenance that requires breaking a line or opening a vessel shall be depressurized, emptied, degassed, and placed in service in accordance with the following requirements.

    A. The process equipment shall be depressurized to the flare prior to venting to atmosphere, degassing, or draining liquid. Facilities shall be degassed using good engineering and best management practices as developed per Special Condition No. 11 to ensure air contaminants are removed from the system through the control device to the extent allowed by process equipment or storage vessel design. The facilities to be degassed shall not be vented directly to atmosphere, except as necessary to establish isolation of the work area or to monitor VOC concentration following controlled depressurization. The venting shall be minimized to the maximum extent practicable and actions taken recorded. The control device or recovery system utilized shall be recorded with the estimated emissions from controlled and uncontrolled degassing calculated using the methods that were used to determine allowable emissions for the permit application.

    B. The locations and/or identifiers where the purge gas or steam enters the process equipment or storage vessel and the exit points for the exhaust gases shall be recorded (process flow diagrams [PFDs] or piping and instrumentation diagrams [P&IDs] may be used to demonstrate compliance with the requirement).

       If the process equipment requires purging, it will be conducted using best management and good air pollution control practices.

    C. All contents from process equipment or storage tanks must be removed to the maximum extent possible practicable prior to opening equipment to commence degassing and maintenance. Liquid and solid removal must be directed to covered containment, recycled, or disposed of properly. If it is necessary to drain liquid into an open pan or the sump, the liquid must be covered and transferred to a covered vessel within one hour of being drained.

Recordkeeping

14. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction:

    A. A copy of this permit.

    B. Permit application dated September 28, 2012, and subsequent representations submitted to the TCEQ.

C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 8 to demonstrate initial compliance.

15. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:

A. Records of testing conducted pursuant to Special Condition No. 9 including emission calculations to show compliance with Special Condition No. 4 and the MAERT. If these calculations are automated by a computer, sample calculations shall be kept with the records.

B. For records of other MSS not covered by Special Condition Nos. 12 and 13, records including the following:

i. Date, time and duration of the event; and

ii. Emissions from the event.

Records of engine maintenance not reasonably expected to affect emissions do not have to be kept.

C. Records of visible emission checks and opacity readings and any corrective actions taken as required by Special Condition No. 5.

Dated June 14, 2013